

AD-A162 931 DEVELOPMENT OF A COMPUTER-MANAGED READINESS ASSESSMENT SYSTEM(U) NAVY PERSONNEL RESEARCH AND DEVELOPMENT 1/1

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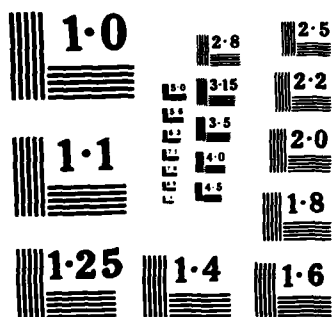
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**DEVELOPMENT OF A COMPUTER-MANAGED  
READINESS ASSESSMENT SYSTEM**

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San Diego, California 92152**



**DEVELOPMENT OF A COMPUTER-MANAGED READINESS ASSESSMENT SYSTEM**

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## FOREWORD

This development effort was initiated by a request from Commander SIXTH Fleet to provide technical and analytical support to Fleet Air Reconnaissance Squadron TWO (VQ-2), Naval Station, Rota, Spain, to supplement their readiness assessment program. The work was performed as Naval Science Assistance Program project S-1-82 under work request WR-W0025.

This report describes the development of the VQ-2 readiness assessment system. The main products of this effort are three Navy Personnel Research and Development Center (NAVPERSRANDCEN) Training Laboratory reports: The VQ-2 Readiness Training Manual (TL 84-1) contains the substantive readiness training requirements for the squadron. The Training Readiness Information Manager (TRIM) User's Manual (TL 85-2) contains information for prospective users. The Training Readiness Information Manager (TRIM) Programmer's Manual (TL 85-5) provides programming information.

Appreciation is expressed for the cooperation and assistance provided by personnel of VQ-2, particularly CDR John S. Draper, LCDR Richard Veltman, and LCDR James R. Brady. Also, appreciation is expressed to LCDR Ken Davis, formerly of VQ-2 and now at NAVPERSRANDCEN, for his suggestions and to PNC William Johnson, DPC Marcelo R. Germar, and DP2 Dawn Martin of NAVPERSRANDCEN for their valuable assistance.

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## SUMMARY

### Problem

Readiness of operational units, especially Fleet Air Reconnaissance Squadron TWO (VQ-2), is difficult to assess, particularly during operational cycles when the units are fulfilling their missions. Nonetheless, operational readiness assessment is necessary to identify problems and address them by training or other solutions. VQ-2 and other operational and support units need systems that can gather and update information concerning their state of readiness accurately, efficiently, and with minimum impact on unit personnel so that the primary missions of the organizations can be carried out with little or no disruption.

### Purpose

The purpose of this effort was to develop a readiness training assessment system for VQ-2 to provide accurate, timely, and efficient assessments of operational readiness of aircrew personnel. The system should enable VQ-2 personnel to identify and correct personnel readiness problems promptly while maintaining the highest possible state of readiness to perform the squadron's mission.

### Approach

Personnel from VQ-2 and the Navy Personnel Research and Development Center (NAVPERSRANDCEN) developed a readiness training system for maintaining readiness and training data for VQ-2 aircrew personnel. The system consists of (1) a matrix for the EP-3E and the EA-3B aircraft of all the events that affect the readiness of the personnel assigned to the 10 crew positions in the EP-3E and the 5 crew positions in the EA-3B for each of the four VQ-2 mission areas; (2) a computer-managed system to enter, process, store, and produce the readiness information; and (3) a readiness training manual.

### Results and Conclusions

1. The Readiness Training Manual (TL 84-1) was patterned after the Commander, Naval Air Forces, U.S. Atlantic Fleet (COMNAVAIRLANT) Air Wing Readiness Training Manual. It contains all relevant VQ-2 instructions, the matrices of readiness and training events for the personnel in all aircrew positions in the EP-3E and the EA-3B aircraft, and other information related to readiness of VQ-2 personnel.

2. The Training Readiness Information Manager (TRIM) software, developed in dBaseII for use on the Zenith Z-120 microcomputer, structures the entry of readiness data, calculates readiness information as specified on the matrices, and produces the printed reports on which personnel readiness assessment is based. The TRIM user's manual (TL 85-2) provides reference for VQ-2 personnel in personnel training and familiarization. The TRIM programmer's manual (TL 85-5) is designed to document the actual dBaseII management program in sufficient detail to allow squadron computer programmers to revise the program as needed after the initial cadre of users trained by NAVPERSRANDCEN and the outside assistance from NAVPERSRANDCEN are no longer available.

### Recommendations

1. All cognizant commands with a need to track and report on their readiness training status should consider adapting this system to meet their requirements for managing their readiness assessment data. In particular, VQ-1 should consider using this system.
2. Commander, Tactical Support Wing ONE (COMTACSUPWING ONE) and COM-NAVAIRLANT, the two commands with direct responsibility for VQ-2, should jointly agree on how to provide routine ongoing support for this readiness assessment system in future years.



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## INTRODUCTION

### Problem

Readiness of operational units is difficult to assess, particularly during operational cycles when the units are fulfilling their missions. Nonetheless, decision makers need accurate information for assessing the readiness of the units under their command so that they can allocate their increasingly scarce resources efficiently.

The mission of Fleet Air Reconnaissance Squadron TWO (VQ-2) is to conduct reconnaissance operations in Europe, North Africa, the Middle East, the Mediterranean, and the North Atlantic. With a staff of more than 650, the squadron operates and maintains land-based EP-3E and carrier-based EA-3B aircraft to perform this mission. VQ-2 also acts as its own training squadron and conducts its own initial aircrew training.

The VQ-2 Training Officer is responsible for collecting and updating the readiness training data for all squadron personnel in a flight status: pilots, naval flight officers (NFOs), and all enlisted aircrew personnel. Both administrative and professional data are required to attain VQ-2 training department objectives. The data base requires constant updating to reflect changes in personnel, qualification status, completion of required training events, and other information affecting squadron readiness. Maintaining this data base is especially difficult because of its size and complexity. It consists of data on over 300 aircrew members who are assigned to 10 distinct aircrew positions in the EP-3E and to 5 positions in the EA-3B.

VQ-2 and other operational and support units need systems that can accurately gather, store, and update information concerning the state of readiness of the personnel in the units so that problem areas can be identified and addressed by training or other solutions. These systems must operate efficiently with minimal impact on the operational units as they conduct their primary missions.

### Purpose

The purpose of this effort was to develop a readiness training assessment system for VQ-2 to provide accurate, timely, and efficient assessments of operational readiness of aircrew personnel. The system should enable VQ-2 personnel to identify and correct personnel readiness problems promptly while maintaining the highest possible state of readiness to perform the squadron's mission.

### Background

Commander Naval Air Forces, U.S. Atlantic Fleet (COMNAVAIRLANT) Instruction 3500.42E<sup>1</sup> requires VQ-2 to maintain a readiness assessment system and to use it to prepare Unit Status and Identify Reports (UNITREP).<sup>2</sup> The existing system did not provide accurate and timely readiness reports efficiently and personnel were not available to develop a new readiness assessment system without crippling the squadron's ability to perform its primary mission.

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<sup>1</sup>COMNAVAIRLANT Instruction 3500.42E. Air Wing Readiness Training Manual.

<sup>2</sup>OPNAV Instruction 3501.66B. Unit Status and Identity Report (UNITREP).

A COMNAVAIRLANT model for readiness reports systems was available. This model was based on the Liberty Elite project initiated by the Naval Science Assistance Program (NSAP) and carried out by the Naval Weapons Center.<sup>3</sup> Liberty Elite included a matrix of standardized training requirements by air community and provided a data management system to manage the administrative burden imposed by the matrix. However, the model was not implemented in all COMNAVAIRLANT squadrons and did not meet the needs of VQ-2 with its complement of two aircraft types, the requirement to perform both operational and training functions, and its large crew size.

Commander, U.S. SIXTH Fleet (COMSIXTHFLT) requested assistance similar to that provided by the Naval Weapons Center in the development of Liberty Elite to facilitate the development of a readiness training system for VQ-2. In response, NSAP requested that the Navy Personnel Research and Development Center (NAVPERSRANDCEN) develop a readiness assessment system for VQ-2.

## APPROACH

### Readiness Training Matrices

Two readiness training matrices were developed as the core of the readiness training system for VQ-2. These matrices display all the events that affect the readiness of each crew position for each of VQ-2's four mission areas. Each of the two aircraft, the EP-3E and the EA-3B, in VQ-2's inventory required a separate matrix. The Liberty Elite matrices and the existing COMNAVAIRLANT documentation were used as models for the VQ-2 matrices.

The matrix development process for each of the squadron aircraft types included the following steps:

1. Identifying the relevant readiness/training events. The relevant readiness/training events were identified by reviewing available squadron readiness/training documentation, interviewing training department personnel for each of the 15 unique crew-member positions identified by the squadron, and extrapolating from the existing training matrices for other COMNAVAIRLANT organizations. An exhaustive list of possible events was developed and refined until squadron personnel were satisfied about the remaining events.

2. Assigning each event to a squadron mission area. OPNAV Instruction C3501.2<sup>4</sup> defines four mission areas for VQ-2: intelligence (INT), electronic warfare (ELW), command/control/communications (CCC), and mobility (MOB). Each readiness/training event was assigned to the appropriate squadron mission area for each crew-member position.

3. Determining relative contribution of each event to each crew position's readiness. For each mission area in which a crew-member position has responsibilities, the total of all the responsibilities for each crew-member position must equal 100 percent.

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<sup>3</sup>Naval Weapons Center, Completion of NAVWPNCEN's Involvement in Project Liberty Elite, Ltr 127/JKW:wjb, Ser 4496 dtd 2 June 1981.

<sup>4</sup>OPNAV Instruction C3501.2. Naval Warfare Mission Areas and Required Operational Capability/Projected Operational Environment Statements (U).

The percentage contribution of each readiness/training event to the readiness of each crew-member position was estimated. These estimates were refined until VQ-2 personnel were satisfied that the percentages reflected the actual impact of each event on the readiness of individual crew-member position. It is expected that the squadron will continue to "fine-tune" these percentages.

The two matrices structured the relevant readiness training events of the readiness assessment system for the two aircraft that VQ-2 crew members fly--the EP-3E and the EA-3B. Appendix A provides a copy of each matrix.

### Software

Because of the size of the data base, the readiness assessment system required a computer-based system for data management and storage just as the Liberty Elite model did.

A search was conducted of off-the-shelf data base management software systems for a system that could handle a data base the size of VQ-2's and with the dimensions imposed by the matrices. Using an existing data base management system would simplify the software development, make the software transportable to other potential users, and save money. The major requirements were that (1) the software run under a common and widely used operating system, (2) the software be compatible with a wide variety of microcomputer equipment, (3) a relational data base be created (i.e., existing entries to the data base would reflect any change resulting from an entry), and (4) the software run quickly and smoothly enough to satisfy the needs of the eventual users (VQ-2 training department).

A search of existing software determined that the dBaseII<sup>5</sup> relational data base software would satisfy all requirements. The dBaseII software runs under the CP/M operating system. It is common to many microcomputer systems including the Xerox 860 Information Processing System, which was initially envisioned as the computer on which the software would run. The dBaseII package embodies its own high level programming language, is relatively simple to learn and use, and is familiar to many Navy data processing personnel.

The Training Readiness Information Manager (TRIM) was developed to manage readiness and training information for all VQ-2 personnel on flight status: pilots, NFOs, and the enlisted aircrew. The VQ-2 Training Officer has the primary responsibility to collect the readiness data, which may be either administrative or professional, to attain VQ-2 training department objectives. The data base requires constant updating to reflect changes in personnel, qualification status, completion of required training events, and any other information affecting squadron readiness.

The structure of TRIM is hierarchical with menus at each level that indicate the choice of functions available at that level. Functional areas are grouped together into modules. These functional areas manipulate the aircrew readiness training records that comprise the data base and represent requirements to:

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<sup>5</sup>Identification of equipment and software is for documentation only and does not imply endorsement.

1. Create, change, and delete records.
2. Browse through selected records.
3. Calculate readiness figures.
4. Print reports.

A user's manual was developed to assist squadron personnel in their use of TRIM. A programmer's manual was developed to provide documentation on the dBaseII programs for programmers who might revise the programs.

### Hardware

Since most Navy units are in the process of receiving Xerox 860 systems, these systems seemed a logical choice for VQ-2's readiness assessment system. Steps were taken to revise the delivery schedule of VQ-2's Xerox 860 systems to coincide with the delivery of the readiness assessment system. In addition, plans were made to develop data management software that would be compatible with the 860.

Early testing of the software revealed that updating the readiness/training data monthly as required might take many hours to complete using the 8-bit microprocessor in the Xerox 860. Consequently alternatives using a 16-bit processor and the CP/M operating system were examined. In addition, storage and quick access to a large amount of data would be facilitated with a hard disk for mass storage.

The recent Air Force/Navy purchase of Zenith Z-120 computers provided a satisfactory alternative. It was possible to transfer the developed software to the Z-120 with almost no revisions. Changing to the Z-120 reduced the processing time for updating the readiness data from many hours to about 30 minutes.

### Readiness Training Manual

At the outset of the effort, the VQ-2 Readiness Training Manual was projected as the primary squadron resource in any area relating to the training of squadron members and in assessing their readiness. To serve as such a resource, the manual had to contain guidance relating to squadron readiness and training. However, VQ-2 was already a functioning organization with an existing capability of training squadron personnel and assessing their readiness. Obviously, a system existed to perform these functions. Thus, the main requirement of this effort was to synthesize existing readiness and training system components into a coherent single manageable resource. During the effort, components were added primarily to aid in tracking and managing the system.

Many existing squadron instructions that were relevant to readiness/training were reviewed, updated, and incorporated into the manual. When insufficient guidance existed, new squadron instructions were drafted. VQ-2 personnel reviewed the drafts of the manual, which included all existing squadron instructions, course outlines, and other information relating to squadron readiness. Delivery and setup of the Zenith hardware were arranged. Efforts were made to ensure that the necessary equipment was available before the tryout of draft system components.

## RESULTS AND CONCLUSIONS

System delivery included all components (in either draft or final form), setup of the Zenith microcomputer, installation of the TRIM software, final system checks, and hands-on training for those squadron individuals designated as having responsibility for the use and maintenance of TRIM and the readiness assessment system.

### Readiness Training Manual

Each section of the manual was prepared using the editor functions of the Xerox 860. The entire manual was stored on floppy diskettes that were delivered to VQ-2 to ease future squadron revisions of the manual.

The Readiness Training Manual<sup>6</sup> describes the readiness assessment system and documents each aircrew member's requirements to maintain a state of readiness. It includes the matrices that are used to compute readiness figures in the TRIM software (see Appendix A).

### Training Readiness Information Manager (TRIM)

The TRIM software developed in dBaseII for use on the Zenith Z-120 microcomputer structures the entry of readiness data, calculates readiness information in accordance with the structure provided by the matrices, and produces the following six types of printed reports (see Appendix B for examples).

1. Readiness Training Reports. The Readiness Training Reports (pp. B-1) provide the calculated readiness percentage for each combat ready crew (CRC) member for both the EP-3E and the EA-3B aircraft in each of the four primary mission areas--intelligence (INT), electronic warfare (ELW), command/control/communications (CCC), and mobility (MOB)--that comprise the squadron's mission. The M-rating, which is the training resource area input to the UNITREP worksheet, is also calculated and listed.

2. Individual Readiness Reports. The individual Readiness Reports (pp. B-2 through B-7) list the names of all pilots, NFOs, and enlisted aircrew personnel on flight status and their assigned crew. The percentage beside each name represents that individual's state of readiness in each primary mission area. This percentage is the result of system calculations based on data entered by members of the VQ-2 training department for each event listed in the matrices (Appendix A) for each individual. Entries are based on training and certification in each area or event in the matrix that applies to the crew member. Zeros are entered if an area does not apply to a crew member. The names of any crew members missing a qualification that makes them ineligible for flight are flagged on the Individual Readiness Report with an asterisk.

3. Qualifications Due Reports. The Qualifications Due Reports (pp. B-8 through B-27) are intended as enclosures to the Monthly Training Plan, which is an internal squadron management document. Qualifications due are divided into groups by type of aircraft; names grouped by crew position are listed under the needed qualification such as

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<sup>6</sup>Buletza, P. G., & Johnson, W. T. (July 1984). VQ-2 Readiness Training Manual (TL 84-1). San Diego: Navy Personnel Research and Development Center.

Naval Air Training and Operating Procedures Standardization (NATOPS) check flight and instrument check flight. A 3-month projection is given for flight physicals; and a 1-month projection, for squadron mission qualification training (SMQT).

4. Individual Qualification Reports. The Individual Qualification Reports (pp. B-28, B-29) list the qualification status of an individual crew member for the events of his aircraft's matrix as well as other data such as schools attended and general comments.

5. Planning Projection Reports. The Planning Projection Reports (pp. B-30) list officer flight personnel by position and aircraft in the order of their earliest personnel rotation date (PRD) as well as their rank/rate, expected/actual arrival date, and qualification level. Space is provided for construction of a bar graph indicating standard and/or actual progression of qualifications for that position. This report, when completed, can be used for managing flight personnel and maintaining the required number of individuals in various stages of qualification for orderly and timely responses to accessions and transfers.

6. Crew Listing Reports. The Crew Listing Reports (pp. B-31, B-32) list each member's crew position, PRD, and department/work center by aircraft type and CRC number. Alternates are listed in aggregates by crew positions.

NAVPERSRANDCEN provided training for the initial cadre of users. The TRIM user's manual<sup>7</sup>, which was delivered after system installation, is available for later training and familiarization.

The TRIM programmer's manual<sup>8</sup> is designed to document the dBaseII data management program in sufficient detail to allow squadron computer programmers to revise the program as needed after the initial cadre at VQ-2 and the outside assistance from NAVPERSRANDCEN personnel are no longer available.

#### Potential System Enhancements

Future users may wish to consider enhancing the system by:

1. Changing to dBaseIII, an enhanced version of dBaseII now available, which is more appropriate for 16-bit microprocessors and runs faster and more efficiently than dBaseII.

2. Adapting the TRIM software to MS-DOS, which is a more firmly established standard operating system in the microcomputer marketplace. Since computers using MS-DOS system are often available in user commands, having the program available in MS-DOS would make it available to a wide range of potential users. The work to accomplish this conversion should be minor.

3. Incorporating the calculations and UNITREP reports of other resource areas than those having to do with personnel readiness and training. These other areas consist mainly of tallying up and reporting on available hard resources.

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<sup>7</sup> Martin, D. M. (December 1984). Training Readiness Information Manager (TRIM), User's Manual (TL 85-2). San Diego: Navy Personnel Research and Development Center.

<sup>8</sup> Germar, M. R., Madore, D. R., & Martin, D. M. (September 1985). Training Readiness Information Manager (TRIM) Programmer's Manual (TL 85-5) San Diego: Navy Personnel Research and Development Center.

## RECOMMENDATIONS

1. All cognizant commands with a need to track and report on their readiness training status should consider adapting this system to manage their readiness assessment data. In particular, VQ-1 should consider using this system.

2. Commander, Tactical Support Wing ONE (COMTACSUPWING ONE) and COM-NAVAIRLANT, the commands with direct responsibility for VQ-2, should jointly agree on how to provide routine ongoing support for this readiness assessment system in future years.



**APPENDIX A**  
**VQ-2 READINESS TRAINING MATRICES**

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Table A-1. EP-3E Crewmember Readiness- Training Matrix by PMA .....	A-1
Table A-2. EA-3B Crewmember Readiness- Training Matrix by PMA .....	A-5



Table A-1

## EP-3E Crewmember Readiness-Training Matrix by PMA

EP-3E Requirements	Maint. <sup>a,b</sup> Curr.	EP-3E Position									
		Pilot	EWAN	EVAL	EWOP	BRIGAND	BIGLOOK	Lab. Op.	IFT/AES	FCO	FE
		INT									
Aviation Physiology	RQ-48*	0	0	0	0	0	0	0	0	0	0
Swim/Survival	RQ-48*	0	0	0	0	0	0	0	0	0	0
D/WEST	RQ-46*	0	0	0	0	0	0	0	0	0	0
SERE	1 time*	0	0	0	0	0	0	0	0	0	0
Flight Physical	RQ-12	0	0	0	0	0	0	0	0	0	0
Security Clearance	1 time*	0	0	0	0	0	0	0	0	0	0
Squadron Indoc.	1 time*	0	0	1	1	0	0	1	0	0	0
Safety Course	1 time*	0	0	1	1	0	0	1	0	0	0
Instrument Qual.	RQ-12	0	0	0	0	0	0	0	0	0	0
Course Rules	1 time*	0	0	0	0	0	0	0	0	0	0
EW Course	1 time	0	0	4	10	0	0	12	0	0	0
Operator Maint. Course	1 time	0	0	4	10	0	0	3	0	0	0
FLY 1	1 time	0	0	0	0	0	0	0	0	0	0
FLY 2	1 time	0	0	0	0	0	0	0	0	0	0
FLY 3	1 time	0	0	0	0	0	0	0	0	0	0
FLY 4	1 time	0	0	0	0	0	0	0	0	0	0
FLY 5	1 time	0	0	0	0	0	0	0	0	0	0
FLY 6	1 time	0	0	0	0	0	0	0	0	0	0
FLY 7	1 time	0	0	0	0	0	0	0	0	0	0
FLY 8	1 time	0	0	0	0	0	0	0	0	0	0
FLY 9	1 time	0	0	0	0	0	0	0	0	0	0
FLY 10	1 time	0	0	0	0	0	0	0	0	0	0
FLY 11	1 time	0	0	0	0	0	0	0	0	0	0
SMQT	RQ-12	0	0	15	0	0	0	0	0	0	0
EWOP Qualification	RQ-12	0	0	0	0	15	15	0	0	0	0
BRIGAND Maint. Course	1 time	0	0	0	0	5	0	0	0	0	0
BIGLOOK Maint. Course	1 time	0	0	0	0	0	5	0	0	0	0
PQS for Primary Pos.	1 time	0	0	5	15	17	17	20	0	0	0
Baltic Deployment	RQ-4	0	0	7	10	10	10	10	0	0	0
E. Med Deployment	RQ-4	0	0	7	10	10	10	10	0	0	0
C. Med Deployment	RQ-4	0	0	7	10	10	10	10	0	0	0
Cuba Deployment	RQ-4	0	0	7	10	10	10	10	0	0	0
IO Deployment	RQ-6	0	0	7	10	10	10	10	0	0	0
Qual. Board	1 time	0	0	15	0	0	0	0	0	0	0
Check Ride	1 time	0	0	5	0	0	0	0	0	0	0
Proficiency Trainer	RQ-3	0	0	0	0	0	0	0	0	0	0
NATOPS Check	RQ-12*	0	0	8	10	10	10	10	0	0	0
Monthly Flight Hours	RQ-1	0	0	0	0	0	0	0	0	0	0
P-3 Flyers' Training	RQ wkly	0	0	2	3	3	3	3	0	0	0
All-Eval. Seminar	RQ wkly	0	0	5	0	0	0	0	0	0	0
Total		0	0	100	100	100	100	100	0	0	0

<sup>a</sup>Requalification (RQ) time is in months unless otherwise indicated.

<sup>b</sup>If events indicated by an asterisk are not maintained, a total readiness point-score to establish an M-4 category is assigned.

Table A-1 (Continued)

EP-3E Requirements	Maint. <sup>a,b</sup> Curr.	EP-3E Position									
		Pilot	EWAN	EVAL	EWOP	BRIGAND	BIGLOOK	Lab. Op.	IFT/AES	FCO	FE
		ELW									
Aviation Physiology	RQ-48*	0	0	0	0	0	0	0	0	0	0
Swim/Survival	RQ-48*	0	0	0	0	0	0	0	0	0	0
D/WEST	RQ-46*	0	0	0	0	0	0	0	0	0	0
SERE	1 time*	0	0	0	0	0	0	0	0	0	0
Flight Physical	RQ-12	0	0	0	0	0	0	0	0	0	0
Security Clearance	1 time*	0	0	0	0	0	0	0	0	0	0
Squadron Indoc.	1 time*	0	0	1	1	0	0	1	0	0	0
Safety Course	1 time*	0	0	1	1	0	0	1	0	0	0
Instrument Qual.	RQ-12	0	0	0	0	0	0	0	0	0	0
Course Rules	1 time*	0	0	0	0	0	0	0	0	0	0
EW Course	1 time	0	0	8	20	0	0	30	0	0	0
Operator Maint. Course	1 time	0	0	8	20	0	0	5	0	0	0
FLY 1	1 time	0	0	0	0	0	0	0	0	0	0
FLY 2	1 time	0	0	0	0	0	0	0	0	0	0
FLY 3	1 time	0	0	0	0	0	0	0	0	0	0
FLY 4	1 time	0	0	0	0	0	0	0	0	0	0
FLY 5	1 time	0	0	0	0	0	0	0	0	0	0
FLY 6	1 time	0	0	0	0	0	0	0	0	0	0
FLY 7	1 time	0	0	0	0	0	0	0	0	0	0
FLY 8	1 time	0	0	0	0	0	0	0	0	0	0
FLY 9	1 time	0	0	0	0	0	0	0	0	0	0
FLY 10	1 time	0	0	0	0	0	0	0	0	0	0
FLY 11	1 time	0	0	0	0	0	0	0	0	0	0
SMQT	RQ-12	0	0	15	0	0	0	0	0	0	0
EWOP Qualification	RQ-12	0	0	0	0	30	30	0	0	0	0
BRIGAND Maint. Course	1 time	0	0	0	0	10	0	0	0	0	0
BIGLOOK Maint. Course	1 time	0	0	0	0	0	10	0	0	0	0
PQS for Primary Pos.	1 time	0	0	5	20	20	20	20	0	0	0
Baltic Deployment	RQ-4	0	0	5	5	5	5	5	0	0	0
E. Med Deployment	RQ-4	0	0	5	5	5	5	5	0	0	0
C. Med Deployment	RQ-4	0	0	5	5	5	5	5	0	0	0
Cuba Deployment	RQ-4	0	0	5	5	5	5	5	0	0	0
IO Deployment	RQ-6	0	0	5	5	5	5	5	0	0	0
Qual. Board	1 time	0	0	15	0	0	0	0	0	0	0
Check Ride	1 time	0	0	10	0	0	0	0	0	0	0
Proficiency Trainer	RQ-3	0	0	0	0	0	0	0	0	0	0
NATOPS Check	RO-12*	0	0	5	10	12	12	15	0	0	0
Monthly Flight Hours	RQ-1	0	0	0	0	0	0	0	0	0	0
P-3 Flyers' Training	RQ wkly	0	0	2	3	3	3	3	0	0	0
All-Eval. Seminar	RQ wkly	0	0	5	0	0	0	0	0	0	0
Total		0	0	100	100	100	100	100	0	0	0

<sup>a</sup>Requalification (RQ) time is in months unless otherwise indicated.

<sup>b</sup>If events indicated by an asterisk are not maintained, a total readiness point-score to establish an M-4 category is assigned.

Table A-1 (Continued)

EP-3E Requirements	Maint. <sup>a,b</sup> Curr.	EP-3E Position									
		Pilot	EWAN	EVAL	EWOP	BRIGAND	BIGLOOK	Lab. Op.	IFT/AES	FCO	FE
		MOB									
Aviation Physiology	RQ-48*	0	0	0	0	0	0	0	0	0	0
Swim/Survival	RQ-48*	0	0	0	0	0	0	0	0	0	0
D/WEST	RQ-46*	0	0	0	0	0	0	0	0	0	0
SERE	1 time*	0	0	0	0	0	0	0	0	0	0
Flight Physical	RQ-12	0	0	0	0	0	0	0	0	0	0
Security Clearance	1 time*	0	0	0	0	0	0	0	0	0	0
Squadron Indoc.	1 time*	1	1	0	0	0	0	0	1	1	1
Safety Course	1 time*	1	1	0	0	0	0	0	1	1	1
Instrument Qual.	RQ-12	5	5	0	0	0	0	0	0	0	0
Course Rules	1 time*	5	5	0	0	0	0	0	0	0	0
EW Course	1 time	0	0	0	0	0	0	0	0	0	0
Operator Maint. Course	1 time	0	0	0	0	0	0	0	30	0	0
FLY 1	1 time	2	2	0	0	0	0	0	0	0	2
FLY 2	1 time	2	2	0	0	0	0	0	0	0	2
FLY 3	1 time	2	2	0	0	0	0	0	0	0	2
FLY 4	1 time	2	2	0	0	0	0	0	0	0	2
FLY 5	1 time	2	2	0	0	0	0	0	0	0	2
FLY 6	1 time	2	2	0	0	0	0	0	0	0	2
FLY 7	1 time	2	2	0	0	0	0	0	0	0	2
FLY 8	1 time	2	2	0	0	0	0	0	0	0	2
FLY 9	1 time	2	2	0	0	0	0	0	0	0	2
FLY 10	1 time	0	0	0	0	0	0	0	0	0	0
FLY 11	1 time	0	0	0	0	0	0	0	0	0	0
SMQT	RQ-12	0	0	0	0	0	0	0	0	0	0
EWOP Qualification	RQ-12	0	0	0	0	0	0	0	0	0	0
BRIGAND Maint. Course	1 time	0	0	0	0	0	0	0	0	0	0
BIGLOOK Maint. Course	1 time	0	0	0	0	0	0	0	0	0	0
PQS for Primary Pos.	1 time	14	15	0	0	0	0	0	30	40	25
Baltic Deployment	RQ-4	0	0	0	0	0	0	0	0	0	0
E. Med Deployment	RQ-4	0	0	0	0	0	0	0	0	0	0
C. Med Deployment	RQ-4	0	0	0	0	0	0	0	0	0	0
Cuba Deployment	RQ-4	0	0	0	0	0	0	0	0	0	0
IO Deployment	RQ-6	0	0	0	0	0	0	0	0	0	0
Qual. Board	1 time	10	10	0	0	0	0	0	0	0	0
Check Ride	1 time	10	5	0	0	0	0	0	0	0	0
Proficiency Trainer	RQ-3	5	0	0	0	0	0	0	0	0	0
NATOPS Check	RQ-12*	25	28	0	0	0	0	0	35	55	45
Monthly Flight Hours	RQ-1	5	10	0	0	0	0	0	0	0	5
P-3 Flyers' Training	RQ wkly	1	2	0	0	0	0	0	3	3	5
All-Eval. Seminar	RQ wkly	0	0	0	0	0	0	0	0	0	0
Total		100	100	0	0	0	0	0	100	100	100

<sup>a</sup>Requalification (RQ) time is in months unless otherwise indicated.

<sup>b</sup>If events indicated by an asterisk are not maintained, a total readiness point-score to establish an M-L category is assigned.

Table A-1 (Continued)

EP-3E Requirements	Maint. <sup>a,b</sup> Curr.	EP-3E Position									
		Pilot	EWAN	EVAL	EWOP	BRIGAND	BIGLOOK	Lab. Op.	IFT/AES	FCO	FE
		CCC									
Aviation Physiology	RQ-48*	0	0	0	0	0	0	0	0	0	0
Swim/Survival	RQ-48*	0	0	0	0	0	0	0	0	0	0
D/WEST	RQ-46*	0	0	0	0	0	0	0	0	0	0
SERE	1 time*	0	0	0	0	0	0	0	0	0	0
Flight Physical	RQ-12	0	0	0	0	0	0	0	0	0	0
Security Clearance	1 time*	0	0	0	0	0	0	0	0	0	0
Squadron Indoc.	1 time*	1	1	1	0	0	0	0	0	1	0
Safety Course	1 time*	1	1	1	0	0	0	0	0	1	0
Instrument Qual.	RQ-12	0	0	0	0	0	0	0	0	0	0
Course Rules	1 time*	0	0	0	0	0	0	0	0	0	0
EW Course	1 time	0	0	6	0	0	0	0	0	0	0
Operator Maint. Course	1 time	0	0	8	0	0	0	0	0	0	0
FLY 1	1 time	2	1	2	0	0	0	0	0	0	0
FLY 2	1 time	2	1	2	0	0	0	0	0	0	0
FLY 3	1 time	2	1	2	0	0	0	0	0	0	0
FLY 4	1 time	2	1	2	0	0	0	0	0	0	0
FLY 5	1 time	2	1	2	0	0	0	0	0	0	0
FLY 6	1 time	2	1	2	0	0	0	0	0	0	0
FLY 7	1 time	2	1	2	0	0	0	0	0	0	0
FLY 8	1 time	2	1	2	0	0	0	0	0	0	0
FLY 9	1 time	2	1	2	0	0	0	0	0	0	0
FLY 10	1 time	0	0	2	0	0	0	0	0	0	0
FLY 11	1 time	0	0	2	0	0	0	0	0	0	0
SMQT	RQ-12	14	15	11	0	0	0	0	0	0	0
EWOP Qualification	RQ-12	0	0	0	0	0	0	0	0	0	0
BRIGAND Maint. Course	1 time	0	0	0	0	0	0	0	0	0	0
BIGLOOK Maint. Course	1 time	0	0	0	0	0	0	0	0	0	0
PQS for Primary Pos.	1 time	10	14	3	0	0	0	0	0	20	0
Baltic Deployment	RQ-4	0	0	5	0	0	0	0	0	10	0
E. Med Deployment	RQ-4	0	0	5	0	0	0	0	0	10	0
C. Med Deployment	RQ-4	0	0	5	0	0	0	0	0	10	0
Cuba Deployment	RQ-4	0	0	5	0	0	0	0	0	10	0
IO Deployment	RQ-6	0	0	5	0	0	0	0	0	10	0
Qual. Board	1 time	15	18	12	0	0	0	0	0	0	0
Check Ride	1 time	15	15	5	0	0	0	0	0	0	0
Proficiency Trainer	RQ-3	0	0	0	0	0	0	0	0	0	0
NATOPS Check	RQ-12*	20	20	0	0	0	0	0	0	24	0
Monthly Flight Hours	RQ-1	5	5	0	0	0	0	0	0	0	0
P-3 Flyers' Training	RQ wkly	1	2	1	0	0	0	0	0	4	0
All-Eval. Seminar	RQ wkly	0	0	5	0	0	0	0	0	0	0
Total		100	100	100	0	0	0	0	0	100	0

<sup>a</sup>Requalification (RQ) time is in months unless otherwise indicated.

<sup>b</sup>If events indicated by an asterisk are not maintained, a total readiness point-score to establish an M-4 category is assigned.

Table A-2  
EA-3B Crewmember Readiness Training Matrix by PMA

EA-3B Requirements	Maint. <sup>a,b</sup> Curr.	EA-3B Position									
		Pilot	EWAN	EVAL	EWOP	Crew Chief	Pilot	EWAN	EVAL	EWOP	Crew Chief
		INT					ELW				
Aviation Physiology	RQ-48*	0	0	0	0	0	0	0	0	0	0
Swim/Survival	RQ-48*	0	0	0	0	0	0	0	0	0	0
D/WEST	RQ-96*	0	0	0	0	0	0	0	0	0	0
SERE	1 time*	0	0	0	0	0	0	0	0	0	0
Flight Physical	RQ varies*	0	0	0	0	0	0	0	0	0	0
Security Clearance	1 time*	0	0	0	0	0	0	0	0	0	0
Fire Fighting	1 time	0	0	1	1	0	0	0	1	1	0
Squadron Indoc.	1 time*	0	0	1	1	0	0	0	1	1	0
Safety Course	1 time*	0	0	1	1	0	0	0	1	1	0
Instrument Qual.	RQ-12	0	0	0	0	0	0	0	0	0	0
EW Course	1 time	0	0	5	10	0	0	0	10	20	0
Operator Maint. Course	1 time	0	0	5	10	0	0	0	10	20	0
Course Rules	1 time*	0	0	0	0	0	0	0	0	0	0
FLY 1	1 time	0	0	0	0	0	0	0	0	0	0
FLY 2	1 time	0	0	0	0	0	0	0	0	0	0
FLY 3	1 time	0	0	0	0	0	0	0	0	0	0
FLY 4	1 time	0	0	0	0	0	0	0	0	0	0
FLY 5	1 time	0	0	0	0	0	0	0	0	0	0
FLY 6	1 time	0	0	0	0	0	0	0	0	0	0
FLY 7	1 time	0	0	0	0	0	0	0	0	0	0
FLY 8	1 time	0	0	0	0	0	0	0	0	0	0
FLY 9	1 time	0	0	0	0	0	0	0	0	0	0
FLY 10	1 time	0	0	0	0	0	0	0	0	0	0
FLY 11	1 time	0	0	0	0	0	0	0	0	0	0
PQS	1 time	0	0	7	20	0	0	0	10	20	0
CV Med Deployment	RO-4	0	0	10	20	0	0	0	0	5	0
IO Deployment	RQ-4	0	0	10	20	0	0	0	0	5	0
NATOPS Check	RQ-12*	0	0	5	17	0	0	0	10	27	0
SMQT	RQ-12	0	0	20	0	0	0	0	20	0	0
Qual. Board	1 time	0	0	25	0	0	0	0	25	0	0
Check Ride	1 time	0	0	5	0	0	0	0	7	0	0
Carrier Qual.	RQ <sup>c</sup>	0	0	0	0	0	0	0	0	0	0
Air Refueling	RQ <sup>d</sup>	0	0	0	0	0	0	0	0	0	0
Monthly Flight Hours	RQ-1	0	0	0	0	0	0	0	0	0	0
A-3 Flyers' Training	RO wkly	0	0	0	0	0	0	0	0	0	0
All-Eval. Seminar	RO wkly	0	0	5	0	0	0	0	5	0	0
Total		0	0	100	100	0	0	0	100	100	0

<sup>a</sup>Requalification (RQ) time is in months unless otherwise indicated.

<sup>b</sup>If events indicated with an asterisk are not maintained, a total readiness point-score to establish an M-4 category is assigned.

<sup>c</sup>Points assigned as follows for time since last arrestment: 1 mo. = 15, 1 to 2 mos. = 10, 2 to 6 mos. = 5, 6 to 12 mos. = 2, and 12 mos. = 0.

<sup>d</sup>Points assigned as follows for time since last plug: 1 mo. = 5, 1 to 2 mos. = 3, 2 to 3 mos. = 1, and 3 mos. = 0.

Table A-2 (Continued)

EA-3B Requirements	Maint. <sup>a,b</sup> Curr.	EA-3B Position									
		Pilot	EWAN	EVAL	EWOP	Crew Chief	Pilot	EWAN	EVAL	EWOP	Crew Chief
		CCC					MOB				
Aviation Physiology	RQ-48*	0	0	0	0	0	0	0	0	0	0
Swim/Survival	RQ-48*	0	0	0	0	0	0	0	0	0	0
D/WEST	RQ-96*	0	0	0	0	0	0	0	0	0	0
SERE	1 time*	0	0	0	0	0	0	0	0	0	0
Flight Physical	RQ varies*	0	0	0	0	0	0	0	0	0	0
Security Clearance	1 time*	0	0	0	0	0	0	0	0	0	0
Fire Fighting	1 time	1	1	1	0	0	1	1	0	0	2
Squadron Indoc.	1 time*	1	1	1	0	0	1	1	0	0	1
Safety Course	1 time*	1	1	1	0	0	1	1	0	0	2
Instrument Qual.	RQ-12	0	0	0	0	0	1	1	0	0	0
EW Course	1 time	0	0	0	0	0	0	0	0	0	0
Operator Maint. Course	1 time	0	0	0	0	0	0	0	0	0	0
Course Rules	1 time*	0	0	0	0	0	1	1	0	0	0
FLY 1	1 time	1	1	1	0	0	1	1	0	0	0
FLY 2	1 time	1	1	1	0	0	1	1	0	0	0
FLY 3	1 time	1	1	1	0	0	1	1	0	0	0
FLY 4	1 time	1	1	1	0	0	1	1	0	0	0
FLY 5	1 time	1	1	1	0	0	1	1	0	0	0
FLY 6	1 time	1	1	1	0	0	1	1	0	0	0
FLY 7	1 time	1	1	1	0	0	1	1	0	0	0
FLY 8	1 time	1	0	1	0	0	1	0	0	0	0
FLY 9	1 time	1	0	1	0	0	1	0	0	0	0
FLY 10	1 time	0	0	1	0	0	0	0	0	0	0
FLY 11	1 time	0	0	2	0	0	0	0	0	0	0
PQS	1 time	5	15	10	0	0	10	18	0	0	20
CV Med Deployment	RQ-4	5	10	10	0	0	15	20	0	0	25
IO Deployment	RQ-4	5	10	10	0	0	15	20	0	0	25
NATOPS Check	RQ-12*	5	5	5	0	0	15	20	0	0	25
SMQT	RQ-12	10	15	20	0	0	0	0	0	0	0
Qual. Board	1 time	25	20	20	0	0	0	0	0	0	0
Check Ride	1 time	10	12	5	0	0	5	5	0	0	0
Carrier Qual.	RQ <sup>c</sup>	15	0	0	0	0	15	0	0	0	0
Air Refueling	RO <sup>d</sup>	5	0	0	0	0	5	0	0	0	0
Monthly Flight Hours	RQ-1	0	0	0	0	0	4	3	0	0	0
A-3 Flyers Training	RQ wkly	3	3	0	0	0	2	2	0	0	0
All-Eval. Seminar	RQ wkly	0	0	5	0	0	0	0	0	0	0
<b>Total</b>		<b>100</b>	<b>100</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>100</b>	<b>0</b>	<b>0</b>	<b>100</b>

<sup>a</sup>Requalification (RQ) time is in months unless otherwise indicated.

<sup>b</sup>If events indicated with an asterisk are not maintained, a total readiness point-score to establish an M-4 category is assigned.

<sup>c</sup>Points assigned as follows for time since last arrestment: 1 mo. = 15, 1 to 2 mos. = 10, 2 to 6 mos. = 5, 6 to 12 mos. = 2, and 12 mos. = 0.

<sup>d</sup>Points assigned as follows for time since last plug: 1 mo. = 5, 1 to 2 mos. = 3, 2 to 3 mos. = 1, and 3 mos. = 0.



**APPENDIX B**  
**SAMPLE TRIM REPORTS**

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Note. Samples contain fictitious names and dates.

DATE: 84/06/04

# READINESS TRAINING REPORT

## PRIMARY MISSION AREAS

EP-3E	INT	ELW	CCC	MOB	AVG	CREW C-RATING
CRC-1	98	98	97	92	96	C1
CRC-2	94	90	97	57	84	C2
CRC-3	77	77	69	73	74	C2
CRC-4	100	100	89	77	91	C1
CRC-5	89	90	97	89	91	C1
CRC-6	93	93	87	80	88	C1
CRC-7	0	0	0	0	0	--
ALTERNATE	0	0	85	85	85	C1
SUB-AVERAGE	92	91	89	79	88	C3
PMA M-RATING	M1	M1	M1	M2	--	--

EA-3B	INT	ELW	CCC	MOB	AVG	CREW C-RATING
CRC-1	75	85	87	73	80	C2
CRC-2	0	0	100	100	100	C1
CRC-3	0	0	28	28	28	C4
CRC-4	0	0	54	54	54	C4
CRC-5	100	100	100	100	100	C1
CRC-6	100	100	52	36	72	C2
CRC-7	54	54	0	0	54	C4
ALTERNATE	0	0	0	0	0	--
SUB-AVERAGE	82	85	70	65	76	C4
PMA M-RATING	M2	M1	M2	M3	--	--
TOTAL AVERAGE	87	88	80	72	82	--
TOTAL PMA M-RATING	M1	M1	M2	M2	--	--
<hr/>						
TRAINING C-RATING	C4					

DATE: 84/06/08

INDIVIDUAL READINESS REPORT

EP-3E

\*\*\* PILOTS \*\*\*

NAME	INT	ELW	CCC	MOB	READINESS %	CREW
COLDWELL, ELLIS A	0	0	100	100	100	ALTERNATE
DAVIS, KENNETH D	0	0	100	100	100	CRC-6
MCCABE, ROBERT J	0	0	100	100	100	CRC-4
REEVES, JEFFERY L	0	0	100	100	100	CRC-1
STUDER, DARRYL E	0	0	100	100	100	CRC-6
SUITS, DAVID L	0	0	100	100	100	CRC-4
WEBB, STEVEN A	0	0	100	100	100	CRC-5

DATE: 84/06/08

INDIVIDUAL READINESS REPORT  
EP-3E  
\*\*\* NFO'S \*\*\*

NAME	INT	ELW	CCC	MOB	READINESS %	CREW
AGUILLERA, JOSE F	100	100	100	0	100	ALTERNATE
BAILEY, HUBERT V	100	100	100	0	100	CRC-4
BEAUMONT, WILLIAM W	0	0	100	100	100	CRC-1
BRADY, JAMES B	100	100	100	0	100	CRC-1
EDMAN, GREGORY A	100	100	100	0	100	CRC-5
HOLLY, KARL F	0	0	100	100	100	CRC-3
HOVATTER, PATRICK J	0	0	100	100	100	CRC-1
JOHNSON, SCOT L	100	100	100	0	100	CRC-6
MAYS, FOSTER M	0	0	100	100	100	CRC-6
MCINTOSH, JOSEPH	100	100	100	0	100	CRC-5
MILLER, HUBERT K	100	100	100	0	100	CRC-1
NAEVE, JERRY M	100	100	100	0	100	CRC-3
SCHIDE, ALAN P	100	100	100	0	100	CRC-4
SNOWDON, JAY S	100	100	100	0	100	CRC-5
STANFIELD, DAVID M	100	100	100	0	100	CRC-1
TUCKER, GERMAIN L	100	100	100	0	100	CRC-6
WATSON, RICHARD T	100	100	100	0	100	CRC-2
WRIGHT, RICHARD F	100	100	100	0	100	CRC-6

DATE: 84/06/08

INDIVIDUAL READINESS REPORT

EP-3E

\*\*\* AIRCREW \*\*\*

NAME	INT	ELW	CCC	MOB	READINESS %	CREW
DEIWERT, WILLIAM A	100	100	0	0	100	CRC-1
INMAN, THOMAS C	0	0	0	100	100	CRC-4
KENT, JOHN D	100	100	0	0	100	CRC-4
LONG, WAYNE B	0	0	0	100	100	CRC-4
TOLLIVER, RANDLE M	100	100	0	0	100	CRC-5
TWEEDIE, WINFIELD D	100	100	0	0	100	CRC-3
WRIGHT, WILLIAM L JR	0	0	0	100	100	CRC-5

TOTAL PRINTED: 7 PILOTS 18 NFO'S 7 AIRCREW

0 Crew members missing qualification for flight.

\* Indicates missing a qualification for flight.

DATE: 84/06/08

INDIVIDUAL READINESS REPORT  
EA-3B  
\*\*\* PILOTS \*\*\*

NAME	INT	ELW	CCC	MOB	READINESS %	CREW
CARLESON, HENRY F	0	0	100	100	100	CRC-5
CLAYTON, BARRY C	0	0	100	100	100	CRC-1
FLYWATE, MICHAEL R	0	0	100	100	100	CRC-3
JONES, HAROLD	0	0	100	100	100	CRC-2
MIDDLETON, JON C	0	0	100	100	100	ALTERNATE
SMITH, HORRICE J	0	0	100	100	100	CRC-1
SPADARO, ANGELO J	0	0	100	100	100	CRC-6
THOMPSON, RONALD A	0	0	100	100	100	CRC-4

DATE: 84/06/08

INDIVIDUAL READINESS REPORT

EA-3B

\*\*\* NFO'S \*\*\*

NAME	INT	ELW	CCC	MOB	READINESS %	CREW
CONNELLY, WILLIAM P	0	0	100	100	100	CRC-6
FRIDLEY, RICHARD E	100	100	100	0	100	CRC-6
JACKSON, ROGER P	0	0	100	100	100	CRC-2
LIGHT, JAMES K	0	0	100	100	100	CRC-1
OUELLETTE, JOHN D	100	100	100	0	100	CRC-5
RIDGEWAY, MARK G	0	0	100	100	100	CRC-5
VILLRINGER, MICHAEL	0	0	100	100	100	CRC-5
WINKLE, BARRY S	0	0	100	100	100	CRC-1

DATE: 84/06/08

INDIVIDUAL READINESS REPORT  
EA-3B  
\*\*\* AIRCREW \*\*\*

NAME	INT	ELW	CCC	MOB	READINESS %	CREW
LONG, RONALD L	0	0	0	100	100	CRC-1

TOTAL PRINTED: 8 PILOTS 8 NFO'S 1 AIRCREW

0 Crew members missing qualification for flight.

\* Indicates missing a qualification for flight.



QUALIFICATIONS DUE REPORT

EP-3E

JUL 84

NATOPS CHECK FLIGHTS

PILOTS

-----

CDR	CALDWELL
LCDR	DAVIS
LT	HOLLY
LCDR	HOVATTER
LCDR	MCCABE
LT	REEVES
LTJG	STUDER
LT	SUITS
LT	WEBB

NAVS

-----

LT	JOHNSON
LCDR	NAEVE
LCDR	SCHIDE
LCDR	STANFIELD
LTJB	VILLRINGER

EVALS

-----

LCDR	BRADY
LCDR	EDMAN

EWOPS

-----

AE3	KENT
ADCS	TWEEDIE

QUALIFICATIONS DUE REPORT  
EA-3B  
JUL 84

NATOPS CHECK FLIGHTS

PILOTS  
-----

LCDR SPADARO  
LCDR THOMPSON

NAVS  
-----

LT CONNELLY  
LT FRIDLEY  
LT JACKSON  
LCDR OUELLETTE

EVALS  
-----

NONE

EWOPS  
-----

NONE

CREW CHIEFS  
-----

ADCS LONG

QUALIFICATIONS DUE REPORT  
EP-3E  
JUL 84

NATOPS CHECK FLIGHTS

BRIGAND  
-----

NONE

BIGLOOK  
-----

NONE

LABORATORY  
-----

CTT2 TOLLIVER

IFT  
-----

NONE

FLIGHT COMM  
-----

NONE

FLIGHT ENGINEERS  
-----

AMHC INMAN  
ADC WRIGHT

QUALIFICATIONS DUE REPORT  
EA-3B  
JUL 84

INSTRUMENT CHECK FLIGHTS

PILOTS  
-----

LCDR SPADARO  
LCDR THOMPSON

NAVS  
-----

LT CONNELLY  
LT JACKSON  
LTJG LIGHT  
LCDR OUELLETTE

QUALIFICATIONS DUE REPORT

EP-3E

JUL 84

INSTRUMENT CHECK FLIGHTS

PILOTS

-----  
LCDR DAVIS  
LCDR HOVATTER  
LCDR MCCABE  
LT REEVES  
LTJG STUDER  
LT SUITS  
LT WEBB

QUALIFICATIONS DUE REPORT

EA-3B

JUL 84

INSTRUMENT CHECK FLIGHTS

PILOTS

-----

LCDR SPADARO  
LCDR THOMPSON

NAVS

-----

LT CONNELLY  
LT FRIDLEY  
LT JACKSON  
LTJG LIGHT  
LTJG WINKLE

EVALS

-----

NONE

QUALIFICATIONS DUE REPORT

EP-3E

JUL 84

INSTRUMENT EXAMS

PILOTS

-----

LTJG STUDER

NAVS

-----

NONE

EVALS

-----

LCDR EDMAN

3 MONTH PROJECTION  
EP-3E NATOPS QUALS DUE

JUL 84  
-----

PILOTS  
-----

LTJG	VILLRINGER
LCDR	MCCABE
LCDR	BRADY
LCDR	EDMAN
LTJG	STUDER
LCDR	SCHIDE
LT	HOLLY
CTT2	TOLLIVER
AE3	KENT
LCDR	STANFIELD
LT	WEBB
ADC	WRIGHT
AMHC	INMAN
ADCS	TWEEDIE
LCDR	NAEVE
CDR	CALDWELL
LCDR	HOVATTER
LT	REEVES
LT	JOHNSON
LT	SUITS
LCDR	DAVIS

AUG 84  
-----

NONE

SEP 84  
-----

NONE



3 MONTH PROJECTION  
EA-3B NATOPS QUALS DUE

JUL 84  
-----

LT	CONNELLY
LT	FRIDLEY
LT	JACKSON
ADCS	LONG
LCDR	THOMPSON
LCDR	OUELLETTE
LCDR	SPADARO

AUG 84  
-----

NONE

SEP 84  
-----

NONE

3 MONTH PROJECTION  
EP-3E INSTRUMENT QUALS DUE

JUL 84  
-----

ATCS	DEIWERT
LCDR	EDMAN
ADCS	LONG
LTJG	STUDER

AUG 84  
-----

LT	HOLLY
----	-------

SEP 84  
-----

NONE

3 MONTH PROJECTION  
EA-3B INSTRUMENT QUALS DUE

JUL 84  
-----

LTJG WINKLE  
LCDR THOMPSON  
LT CONNELLY  
LT JACKSON  
LT FRIDLEY  
LTJG LIGHT  
LCDR SPADARO

AUG 84  
-----

NONE

SEP 84  
-----

NONE

3 MONTH PROJECTION  
EP-3E SMQT DUE

JUL 84  
-----

ATCS	DEIWERT
LT	JOHNSON
LCDR	HOVATTER
LCDR	EDMAN
LTJG	STUDER
LTJG	VILLRINGER
LCDR	WRIGHT
LCDR	SCHIDE
LCDR	DAVIS
LCDR	STANFIELD
LCDR	NAEVE
LT	REEVES
LCDR	BRADY
LT	WEBB
LT	SUITS
LT	HOLLY
LCDR	MCCABE
LT	SNOWDON

AUG 84  
-----

CDR CALDWELL

SEP 84  
-----

NONE

3 MONTH PROJECTION  
EA-3B SMQT DUE

JUL 84  
-----

LT	FRIDLEY
LCDR	OUELLETTE
LT	CONNELLY
LCDR	THOMPSON
LTJG	RIDGEWAY

AUG 84  
-----

NONE

SEP 84  
-----

NONE

3 MONTH PROJECTION  
FLIGHT PHYSICALS DUE  
EP-3E

JUL 84  
-----

CTT2	TOLLIVER
LCDR	NAEVE
ENS	BEAUMONT
LCDR	WRIGHT
LT	WEBB
LTJG	VILLRINGER
ADC	WRIGHT
LT	SUITS
LCDR	DAVIS
LT	JOHNSON
AMHC	INMAN
LCDR	EDMAN
LT	REEVES
LCDR	SCHIDE
LCDR	BAILEY
CDR	CALDWELL
LCDR	BRADY
LTJG	STUDER
ENS	MAYS
LCDR	HOVATTER
LCDR	MCCABE
LCDR	STANFIELD
ADCS	LONG
LT	SNOWDON

AUG 84  
-----

LT HOLLY

SEP 84  
-----

NONE

3 MONTH PROJECTION  
FLIGHT PHYSICALS DUE  
EA-3B

JUL 84  
-----

LT	CONNELLY
LCDR	THOMPSON
LCDR	SPADARO
LTJG	WINKLE
LTJG	RIDGEWAY
LT	JACKSON
LT	FRIDLEY
LTJG	LIGHT
LCDR	OUELLETTE

AUG 84  
-----

NONE

SEP 84  
-----

NONE

QUALIFICATIONS DUE REPORT  
EP-3E

JUL 84  
-----

AVIATION PSYCHOLOGY

PILOTS  
-----

NONE

NAVS  
-----

NONE

EVALS  
-----

NONE

EWOPS  
-----

ATCS DEIWERT

BRIGAND  
-----

NONE

BIGLOOK  
-----

NONE



QUALIFICATIONS DUE REPORT  
EP-3E

JUL 84  
-----

AVIATION PSYCHOLOGY

LABORATORY  
-----

CTT2 TOLLIVER

IFT  
-----

NONE

FLIGHT COMM  
-----

NONE

FLIGHT ENGINEERS  
-----

NONE

QUALIFICATIONS DUE REPORT  
EA-3B

JUL 84  
-----

AVIATION PHYSIOLOGY

PILOTS  
-----

NONE

NAVS  
-----

LT JACKSON

EVALS  
-----

NONE

EWOPS  
-----

NONE

CREW CHIEFS  
-----

NONE

QUALIFICATIONS DUE REPORT  
EA-3B

JUL 84  
-----

IO MED DEPLOYMENT

PILOTS  
-----

LCDR SPADARO  
LCDR THOMPSON

NAVS  
-----

LT CONNELLY  
LT FRIDLEY  
LT JACKSON  
LTJG LIGHT  
LCDR OUELLETTE  
LTJG RIDGEWAY  
LTJG WINKLE

EVALS  
-----

NONE

EWOPS  
-----

NONE

QUALIFICATIONS DUE REPORT  
EP-3E

JUL 84  
-----

PROFICIENCY TRAINER

PILOTS  
-----

CDR	CALDWELL
LCDR	DAVIS
LT	HOLLY
LCDR	HOVATTER
LCDR	MCCABE
LT	REEVES
LTJG	STUDER
LT	SUITS
LT	WEBB

DATE: 84/06/04

\*\*\* INDIVIDUAL QUALIFICATION REPORT \*\*\*  
EP-3E

NAME: DEIWERT, WILLIAM A  
SSN: 000000000

CREW POSITION: EW  
QUAL LEVEL:  
QUAL DATE:

DESIG:  
RANK/RATE: ATCS  
CREW: CRC-1

	QUAL DATE	EXP DATE	Q/N
PRD/EAOS	851220		
SECURITY CLEARANCE	820228		Q
CAVEAT	SI		
POST-MAINTENANCE CHECK			
FLIGHT	831214		N
AVIATION PHYSIOLOGY	790924	830923	Q
SWIM/SURVIVAL	811231	851230	Q
D-WEST	811231	891230	Q
FLIGHT PHYSICAL	830426	840425	N
INSTRUMENT EXAM			
INSTRUMENT CHECK			
SMQT			
EWOP QUALIFICATION	831214	841213	Q
NATOPS CHECK	831109	841108	Q
SERE	820131		Q
SQUADRON INDOCTRINATION	810214		Q
SAFETY COURSE	831214		Q
COURSE RULES			
OPERATOR MAINT. COURSE			N
FLY 1			
FLY 2			
FLY 3			
FLY 4			
FLY 5			
FLY 6			
FLY 7			
FLY 8			
FLY 9			
FLY 10			
FLY 11			
BRIGAND MAINT COURSE			
BIGLOOK MAINT COURSE	820630		
PQS FOR PRIMARY POS	831214		Q
BALTIC DEPLOYMENT	820614	821013	N
E. MED DEPLOYMENT	830419	830181	N
C. MED DEPLOYMENT	831130	821013	N
IO DEPLOYMENT	810513	811112	N
CUBA DEPLOYMENT	820911	830110	N
QUALIFICATION BOARD			
CHECK RIDE			
PROFICIENCY TRAINER			

SCHOOL 1: LMET  
SCHOOL 2:

SCHOOL 3:  
SCHOOL 4:

COMMENTS:

LAST UPDATE: 840604

DATE: 84/06/04

\*\*\* INDIVIDUAL QUALIFICATION REPORT \*\*\*  
EA-3B

NAME: SPADARO, ANGELO J  
SSN: 000000000

CREW POSITION: PI  
QUAL LEVEL: OP  
QUAL DATE: 831214

DESIG: 1310  
RANK/RATE: LCDR  
CREW: CRC-6

	QUAL DATE	EXP DATE	Q/N
PRD/EAOS	: 8503	:	
SECURITY CLEARANCE	: 821130	:	O
CAVEAT	: SI	:	
POST-MAINTENANCE CHECK			
FLIGHT	:	:	N
AVIATION PHYSIOLOGY	: 840202	: 880201	O
SWIM/SURVIVAL	:	:	O
D-WEST	: 820115	: 900114	O
FLIGHT PHYSICAL	: 820731	: 830730	N
INSTRUMENT EXAM	: 830725	: 840724	O
INSTRUMENT CHECK	: 830726	:	O
SMQT	: 831214	: 841213	O
NATOPS CHECK	: 830531	: 840530	N
SERE	: 820705	:	O
FIRE FIGHTING	: 820331	:	O
SQUADRON INDOCTRINATION	: 820930	:	O
SAFETY COURSE	: 820930	:	O
COURSE RULES	: 830731	:	O
OPERATOR MAINT. COURSE	:	:	
FLY 1	: 821031	:	O
FLY 2	: 821031	:	O
FLY 3	: 821130	:	O
FLY 4	: 821130	:	O
FLY 5	: 821231	:	O
FLY 6	: 821231	:	O
FLY 7	: 830531	:	O
FLY 8	: 830331	:	O
FLY 9	: 830228	:	O
FLY 10	:	:	
FLY 11	:	:	
PQS	: 830727	:	O
CV MED DEPLOYMENT	: 831214	: 840413	N
IO DEPLOYMENT	: 831214	: 840413	N
QUALIFICATION BOARD	: 831214	:	O
CHECK RIDE	: 831214	:	O
CARRIER QUAL (DATE LAST			
TRAP)	: 830527	: 840526	N
AIR REFUELING (DATE LAST			
PLUG)	: 830526	: 830825	N
SCHOOL 1: LMET	SCHOOL 3: LSO PHASE 1		
SCHOOL 2: NAEI MGT I&P	SCHOOL 4:		
COMMENTS:			
LAST UPDATE: 840521			

# PLANNING PROJECTION REPORT

\*\*\* EP-3E EVALS \*\*\*

DATE: 83/04/01

NAME	RANK/EDA/ RATE ADA	QUAL LEVEL	83			84			85			86			
			A	M	J	J	A	S	O	N	D	J	F	M	PRD
EDMAN, GREGORY A	LCDR 810715														8401
JOHNSON, SCOT L	LT 810415														8404
STANFIELD, DAVID M	LCDR 810812														8404
BRADY, JAMES B	LCDR 811115														8405
SCHIDE, ALAN P	LCDR 820428														8406
WRIGHT, RICHARD F	LCDR 820812														8502
NAEVE, JERRY M	LCDR 821031														8504
AGUIRERA, JOSE F	LCDR 820130														8509
SNOWDON, JAY S	LT 830430														8510
BAILEY, HUBERT V	LCDR 830718														8601
MCINTOSH, JOSEPH	LTJG 820325														8605
TUCKER, GERMAIN L	LTJG 820221														8609
WATSON, RICHARD T	LT 821213														8609
MILLER, HUBERT K	LT 830228														8706

DATE: 84/06/04

CREW LISTING REPORT  
EP-3E FLYERS CREW LIST  
CRC-1

NAME	POSITION	PRD	DEPT/WC
BEAUMONT, WILLIAM E	NA	8607	N644
BRADY, JAMES B.	EV	8405	EXEC
DEIWERT, WILLIAM A	EW	8505	
HOVATTER, PATRICK J	PI	8406	N3
REEVES, JEFFREY L	PI	8503	N3
STANFIELD, DAVID M	NA	8404	N1



DATE: 84/06/04

CREW LISTING REPORT  
EA-3B FLYERS CREW LIST  
CRC-1

NAME	POSITION	PRD	DEPT/WC
LIGHT, JAMES K	NA	8505	N7
LONG, RONALD L	CC	8503	MAINT
WINKLE, BARRY S	NA	8606	N1

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